

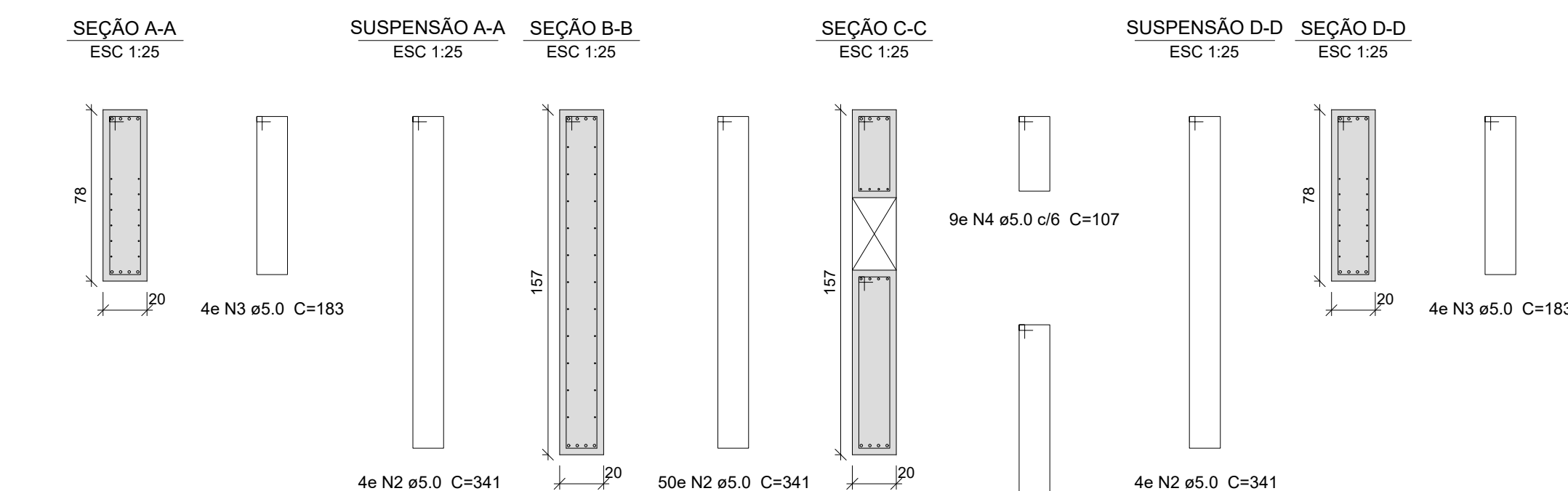
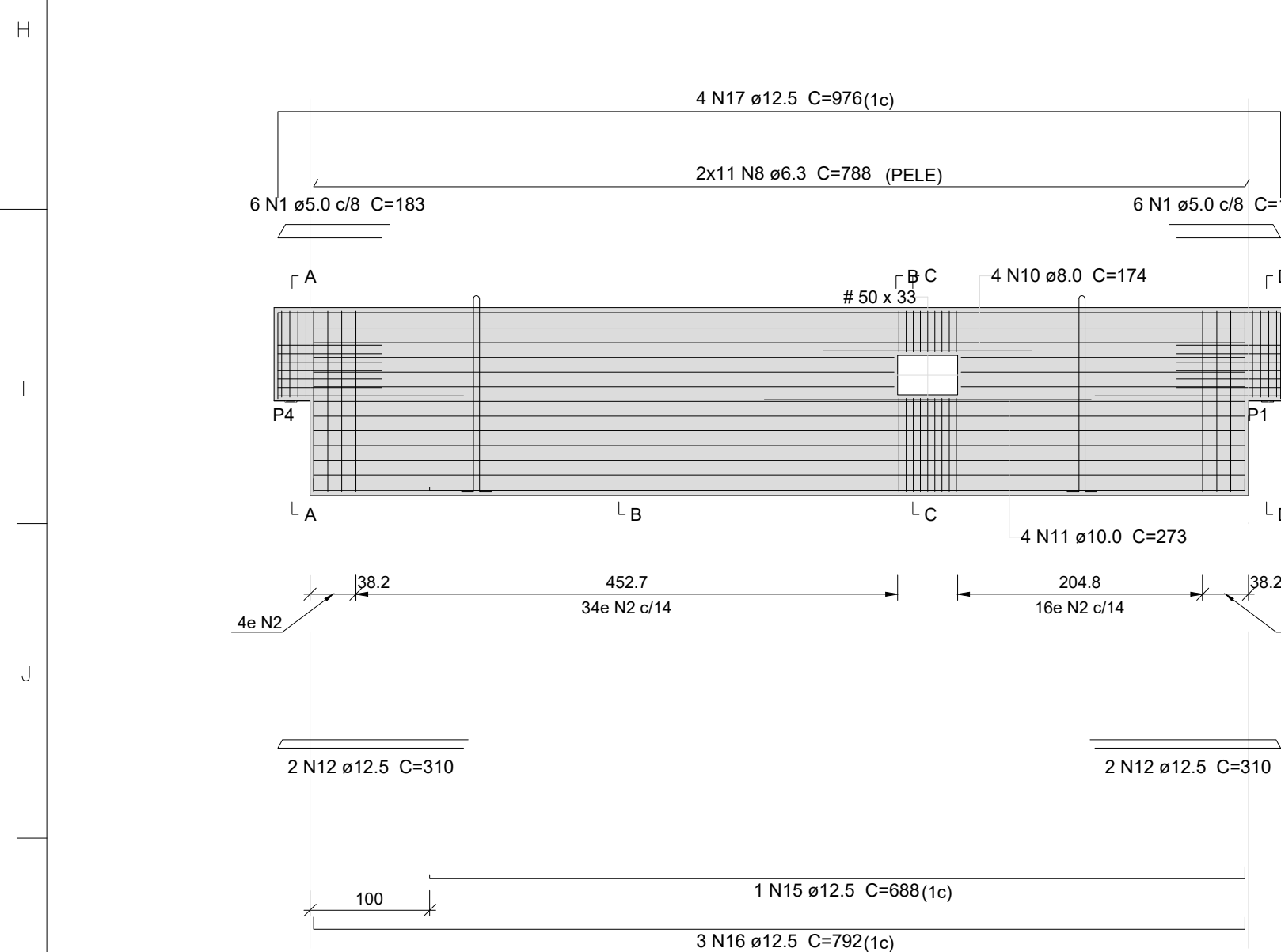
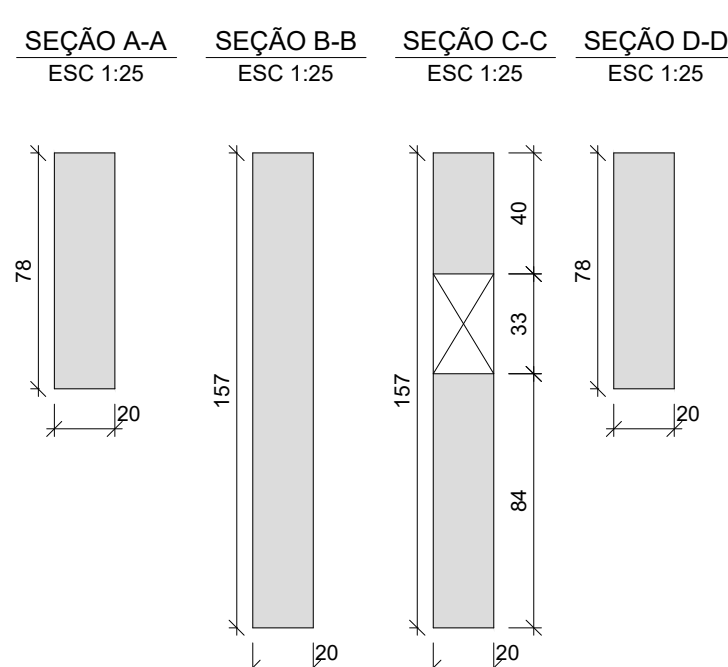
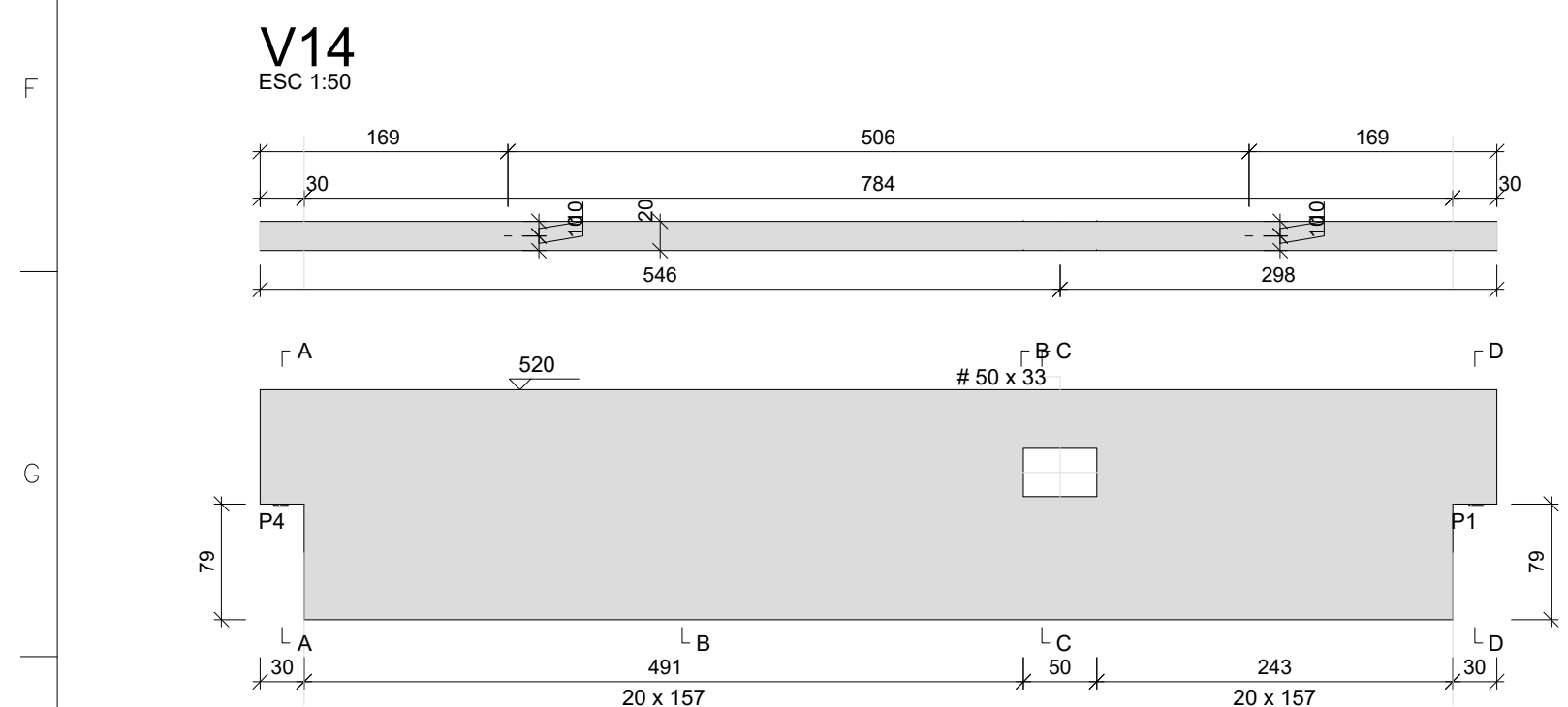
Relação das alças de içamento				
Qtde.	Aço	ϕ (mm)	C. Anc. (cm)	C. Unit. (cm)
2	ASTM A36	16	154	350

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	12	183	2196
	2	5,0	52	341	17732
	3	5,0	8	183	1464
CA50	7	6,3	22	679	14938
	12	12,5	4	310	1240
	13	12,5	1	535	535
	14	12,5	3	683	2049
	21	16,0	2	729	1458

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	6.3	149.4	38.8
	12.5	38.3	36.8
	16.0	14.6	23
CA60	5.0	214	33

Volume de concreto (C-40) = 2.21 m³
Peso total = 5529.22 kg

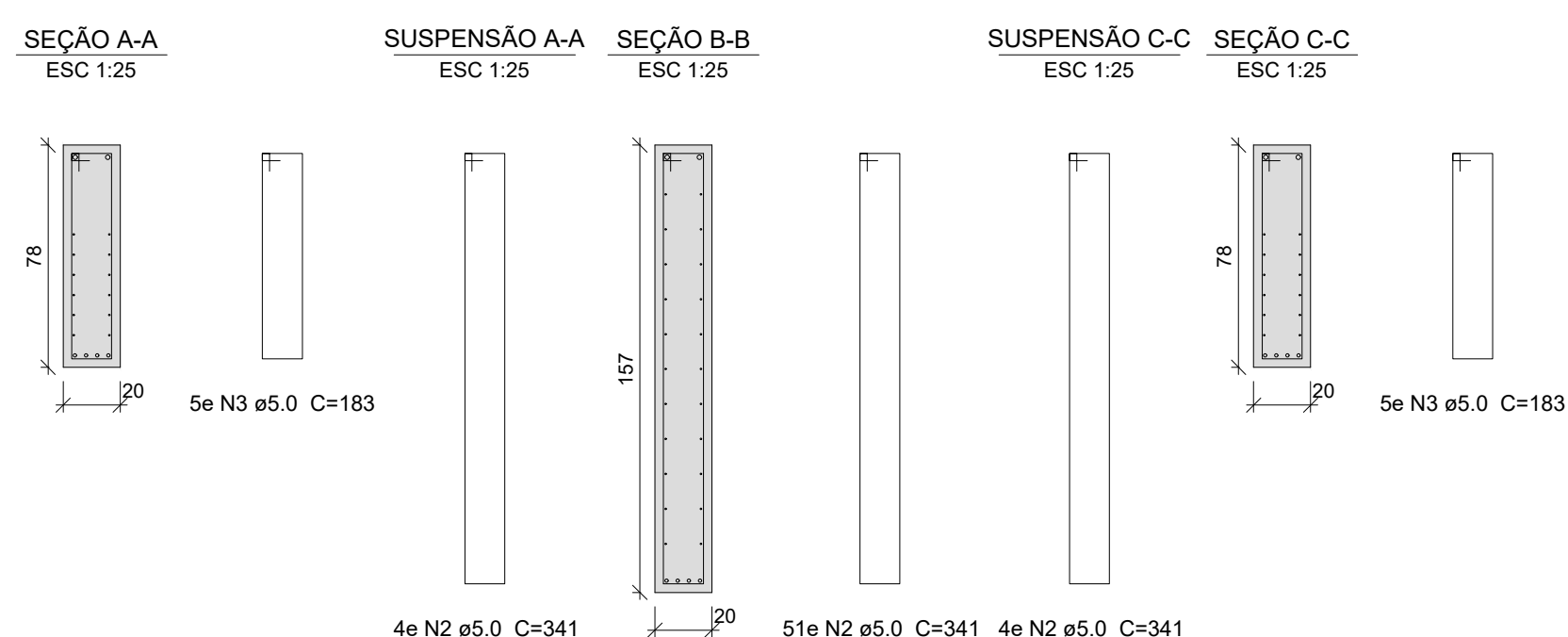
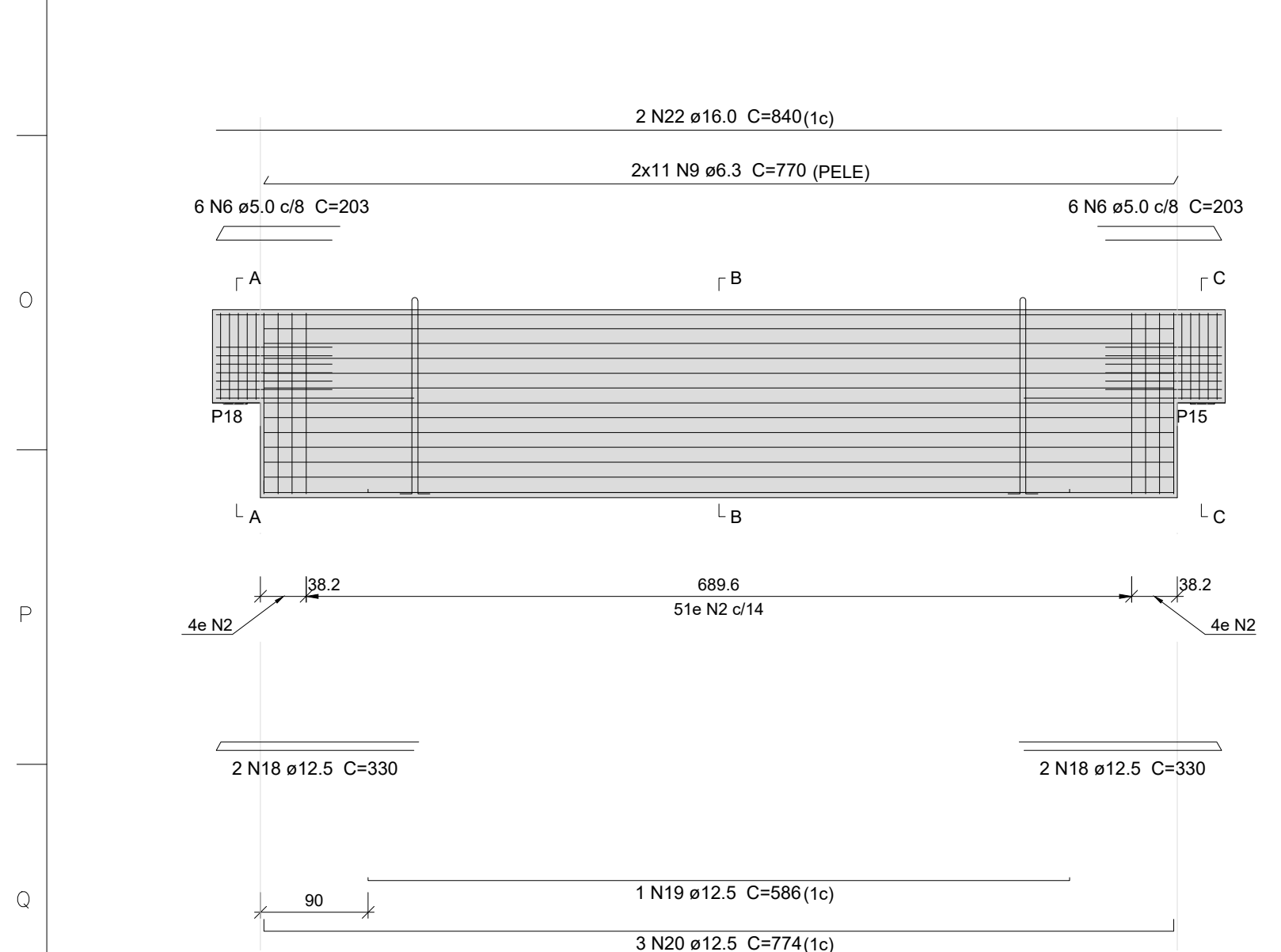
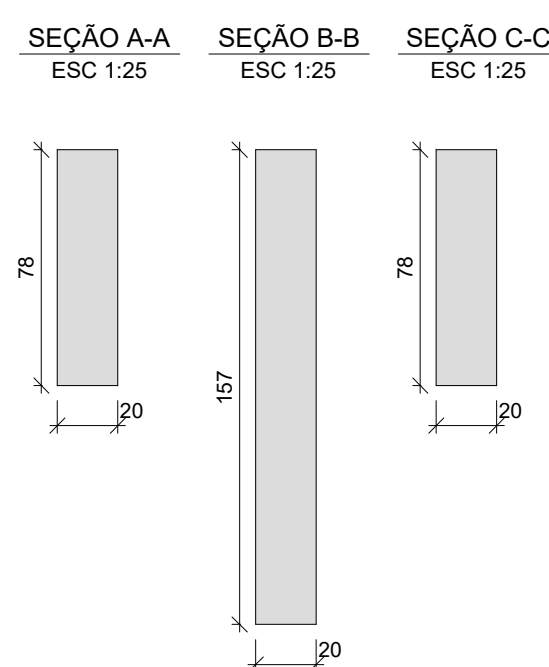
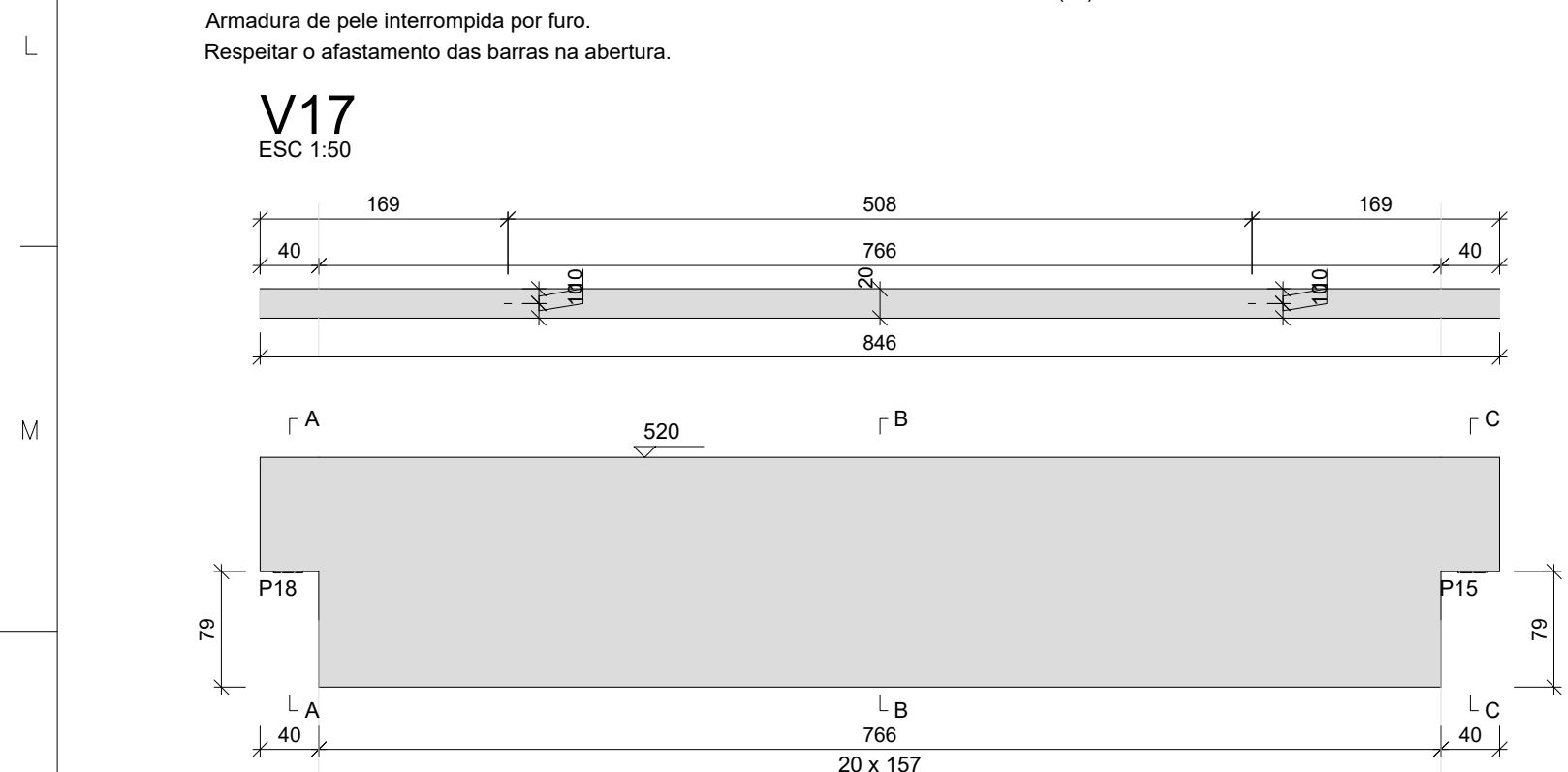


Qtd.	Aço	Ø (mm)	C. Anc. (cm)	C. Unif. (cm)
2	ASTMA36	20	154	350

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	12	183	2196
	2	5,0	58	341	19778
	3	5,0	8	183	1464
	4	5,0	9	107	963
	5	5,0	9	195	1755
CA50	8	6,3	22	788	17336
	10	8,0	4	174	696
	11	10,0	4	273	1092
	12	12,5	4	310	1240
	15	12,5	1	688	688
	16	12,5	3	792	2376
	17	12,5	4	926	3704

Resumo do aço			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	6.3	173.4	42.4
	8.0	7	2.7
	10.0	11	6.7
	12.5	82.1	79.1
CA60	5.0	261.6	40.3
PESO TOTAL			

Volume de concreto (C-40) = 2.52 m³
Peso total = 6305.9 kg



Relação das alças de içamento			
Qtde.	Aço	ø (mm)	C. Anc. (cm)
2	ASTM A36	20	154
			C. Unit. (cm)
			350

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	6	5.0	12	203	2436
	2	5.0	59	341	20119
	3	5.0	10	183	1830
CA50	9	6.3	22	770	16940
	18	12.5	4	330	1320
	19	12.5	1	586	586
	20	12.5	3	774	2322
	22	16.0	2	840	1680

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	6.3	169.4	41.5
	12.5	42.3	40.7
	16.0	16.8	26.5
CA60	5.0	243.9	37.6
PESO TOTAL (kg)			
CA50	108.7		
CA60	37.6		

Volume de concreto (C-40) = 2.53 m³
Peso total = 6325.1 kg